



NiceZyme View of ENZYME: EC 3.1.21.2

Official Name

Deoxyribonuclease IV (phage-T(4)-induced).

Alternative Name(s)

Deoxyribonuclease IV (phage T4-induced).

Endodeoxyribonuclease IV (phage T(4)-induced).

Endodeoxyribonuclease IV (phage T4-induced).

Endonuclease IV.

Reaction catalysed

Endonucleolytic cleavage to 5'-phosphooligonucleotide end-products

Comment(s)

- Preference for single-stranded DNA.
- Similar enzymes: DNase V (mammalian), *Aspergillus sojae* DNase, *Bacillus subtilis* endonuclease, T endonuclease III, T7 endonuclease I, *Aspergillus* DNase K2, vaccinia virus DNase VI, *Saccharomyces cerevisiae* DNase, *Chlorella* DNase.
- Formerly EC 3.1.4.30.

Cross-references

PROSITE PDOC00599

BRENDA 3.1.21.2

PUMA2 3.1.21.2

PRIAM enzyme-specific profiles 3.1.21.2

KEGG Ligand Database for Enzyme Nomenclature 3.1.21.2

IUBMB Enzyme Nomenclature 3.1.21.2

IntEnz 3.1.21.2

MEDLINE Find literature relating to 3.1.21.2

MetaCyc 3.1.21.2

A9NFH1, END4_ACHLI;	A3MZ76, END4_ACTP2;	A0KK26, END4_AERHH;
A4SMZ0, END4_AERS4;	A8ML82, END4_ALKOO;	O67551, END4_AQUAE;
A8EW1, END4_ARCB4;	Q2N9F9, END4_AYWPB;	A7Z6S8, END4_BACA2;
A0RIQ8, END4_BACAH;	Q81LV1, END4_BACAN;	A7GSY1, END4_BACCN;
Q818H3, END4_BACCR;	Q634Q3, END4_BACCZ;	Q5LG28, END4_BACFN;
Q64WY5, END4_BACFR;	Q9KD33, END4_BACHD;	Q6HDN3, END4_BACHK;
Q65HA0, END4_BACLD;	Q5WHC2, END4_BACSK;	P54476, END4_BACSU;
Q89YT0, END4_BACTN;	A6L330, END4_BACV8;	Q8G689, END4_BIFLO;
P57237, END4_BUCAI;	P59058, END4_BUCAP;	P59496, END4_BUCBP;
A826D9, END4_CAMC1;	A7GW36, END4_CAMC5;	A0RRG4, END4_CAMFF;
A7I010, END4_CAMHC;	Q3ABA7, END4_CARHZ;	A9WII8, END4_CHLAA;

UniProtKB/Swiss-Prot

Q5L798, END4_CHLAB;	Q3AT74, END4_CHLCH;	Q824X6, END4_CHLCV;
Q9PJ88, END4_CHLMU;	Q9Z7H3, END4_CHLPN;	Q3KL70, END4_CHLTA;
Q8KFL0, END4_CHLTE;	Q84630, END4_CHLTR;	A8AE66, END4_CITK8;
A6LQV9, END4_CLOB8;	Q189A4, END4_CLOD6;	A9KNS9, END4_CLOPH;
Q6ASE4, END4_DESPS;	Q72CQ9, END4_DESVH;	A1VEI5, END4_DESVV;
Q96600, END4_DICD1;	A7ZNY3, END4_ECO24;	P0AGC2, END4_ECO57;
A8A222, END4_ECOHS;	A1AD18, END4_ECOK1;	Q0TFT1, END4_ECOL5;
Q8FFU0, END4_ECOL6;	B1IYB0, END4_ECOLC;	P0AGC1, END4_ECOLI;
Q1R9R2, END4_ECOUT;	A4WCJ5, END4_ENT38;	Q834D0, END4_ENTFA;
A7MLI2, END4_ENTS8;	Q6D3L8, END4_ERWCT;	Q5KX27, END4_GEOKA;
Q74F57, END4_GEOSL;	A4IR02, END4_GEOTN;	Q7VMC4, END4_HAEDU;
A1WXM0, END4_HALHL;	Q5V0S8, END4_HALMA;	Q9HSK7, END4_HALSA;
Q18KA6, END4_HALWD;	A6TBP4, END4_KLEP7;	Q88VR2, END4_LACPL;
Q38XB2, END4_LACSS;	Q92BR0, END4_LISIN;	Q71ZM1, END4_LISMF;
Q8Y756, END4_LISMO;	A0AIQ1, END4_LISW6;	A0L901, END4_MAGMS;
Q6FLD3, END4_MESFL;	A2SPZ6, END4_METLZ;	A3CT71, END4_METMJ;
Q2NFM3, END4_METST;	Q5UPY4, END4_MIMIV;	Q2RJF1, END4_MOOTA;
P63536, END4_MYCBO;	A1KGF0, END4_MYCBP;	Q2ST57, END4_MYCCT;
Q7NBA9, END4_MYCGA;	P47477, END4_MYCGE;	Q601Y6, END4_MYCH2;
Q4A8V0, END4_MYCH7;	Q4AAX4, END4_MYCHJ;	P30770, END4_MYCLE;
Q6KH96, END4_MYCMO;	Q6MUC7, END4_MYCMS;	Q8EWT2, END4_MYCPB;
P75457, END4_MYCPN;	Q98PU8, END4_MYCPU;	Q4A6S5, END4_MYCSS;
A5U056, END4_MYCTA;	P63535, END4_MYCTU;	A0PH27, END4_MYCUA;
Q3IMK8, END4_NATPD;	A6Q1P1, END4_NITSS;	Q8EP22, END4_OCEIH;
Q6YQC1, END4_ONYPE;	A6LB99, END4_PARD8;	Q6MED0, END4_PARUR;
Q03F56, END4_PEDPA;	Q35BR5, END4_PELLD;	A9BJ15, END4_PETMO;
Q7N364, END4_PHOLL;	Q6LUF5, END4_PHOPR;	A4SDE2, END4_PROVI;
A9MK49, END4_SALAR;	Q57MD6, END4_SALCH;	Q5PE50, END4_SALPA;
A9N6T5, END4_SALPB;	Q8Z593, END4_SALTI;	Q8ZNK6, END4_SALTY;
A8GGT5, END4_SERP5;	Q31YW6, END4_SHIBS;	Q32EQ7, END4_SHIDS;
Q0T2W5, END4_SHIF8;	Q83QW6, END4_SHIFL;	Q3Z047, END4_SHISS;
A7X2V2, END4_STAA1;	A6U229, END4_STAA2;	Q2FGG6, END4_STAA3;
Q2FY16, END4_STAA8;	A5IT85, END4_STAA9;	Q2YT22, END4_STAAB;
Q5HFK3, END4_STAAC;	A6QHA0, END4_STAAE;	P63537, END4_STAAM;
P63538, END4_STAAN;	Q6GGE2, END4_STAAR;	Q6G909, END4_STAAS;
A8Z497, END4_STAAT;	P63539, END4_STAAW;	Q5HNZ1, END4_STAEQ;
Q8CP25, END4_STAES;	Q4L6Q7, END4_STAHJ;	Q49X00, END4_STASI;
Q82AG6, END4_STRAW;	Q5S2N2, END4_STRCO;	Q30PH2, END4_SULDN;
A6QC10, END4_SULNB;	Q67S99, END4_SYMTH;	Q9HJS3, END4_THEAC;
A6LMU8, END4_THEM4;	Q9WYJ7, END4_THEMA;	Q86954, END4_THENE;
A5IK54, END4_THEP1;	Q72KH8, END4_THET2;	Q97A09, END4_THEVO;
Q9PQ15, END4_UREPA;	A5F5R6, END4_VIBC3;	Q9KPK7, END4_VIBCB;
A7M384, END4_VIBHB;	Q87SC6, END4_VIBPA;	Q8DEP6, END4_VIBVU;
Q7MNR1, END4_VIBVY;	Q7M8B4, END4_WOLSU;	A1JLX8, END4_YERE8;
P42691, END4_YEREN;	A7FK62, END4_YERP3;	Q1C982, END4_YERPA;
Q8ZGJ1, END4_YERPE;	Q1CG79, END4_YERPN;	A4TNA4, END4_YERPP;
Q66CR5, END4_YERPS;	P20314, ENRN_BPT3;	P00641, ENRN_BPT7;

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All UniProtKB/Swiss-Prot entries referenced in this entry, with possibility to download in different formats, align etc.

All ENZYME / UniProtKB/Swiss-Prot entries corresponding to 3.1.21.-

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